

CLIENT SIDE

INSTALLED ON:
Individual laptops / desktops

WRITTEN IN:
C# with WPF User Interface

SOFTWARE REQUIREMENTS:
Windows 10 recommended
Psicle Client
.NET Framework 4.7.2

PSICLE SERVER
Windows .NET Service,
Performs user authentication
and allows multi-user
collaboration

Manages Client/Server
communication. Intelligently
queues Psicle Client requests

Manages Psicle Governance
(specific users only access
what they need, produces
audit log)

PSICLE CLIENT MACHINES

Several Psicle clients connect
simultaneously to the Psicle Server

Only a thin installation on user
machine

Visual interface allows graphical model
build and operation.

The interface intelligently
communicates with server

No data is stored locally



COMMUNICATION

Communication over an encrypted
TCP/IP channel

SERVER SIDE

INSTALLED EITHER:
1. On Premise : to future proof,
server would ideally have ability
to increase spec
2. On Cloud (Azure) : Key benefit
is scalability of resources. Easily
ramp up when demand is high

WRITTEN IN:
C# with SQL, PsiCode, Psicle Gadgets and External Engines

SOFTWARE REQUIREMENTS:
Psicle Service
.NET Framework 4.7.2
Microsoft Windows Server 2012R2 / 2016 Data Centre
Microsoft SQL Server 2008R2 to 2016R2

IMPORTS:

Import from databases, csv files,
spreadsheets and API to web-sources.
We are actively expanding our range.

CALCULATION ENGINES:

Access to our native language PsiCode
and our Gadgets, giving the
functionality to perform complex
domain-specific statistical, analytical
and financial functions and industry
specific functionality (e.g. Exposure
Rating, Standard Formula, Triangle
Reserving).

Hooks to third party statistical engines,
giving the ability to run external code
in tightly managed environment.
Support for API's to allow remote
push/pull to external engines and data
sources We are actively expanding our
range

PSICLE DATABASE

Typically hosted on MS SQL Server
Data storage
Executes SQL transformations

Ideal architecture has Psicle DB on a
different box to the Psicle Server.
However, it is not mandatory



PSICLE DB



PSICODE &
Gadgets

Minimum

Intel i5 or equivalent
1.5 GHz
2 Core CPU
4GB RAM
200GB Hard Disk

Recommended

Intel i7 or equivalent
2.5 GHz
4 Core CPU
8GB RAM
250GB SSD

Power

Intel i7 or equivalent
3 to 4 GHz
4 Core CPU
16GB RAM
250GB SSD

Minimum

2 GHz
4 Core CPU
16GB RAM
2 x 250GB SSD

Recommended

2.5 GHz
8 Core CPU
32GB RAM
2 x 500GB SSD

Power

2.5 GHz
16 Core CPU
64GB RAM
2 x 1TB SSD